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## Faces of Science: Susan Hanson

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March 4, 2015



### **Designing less expensive and sustainable catalysts may revolutionize industry**

Susan Hanson says that it is important to realize that you can always learn something new from others—and that much of the science done today would not be possible without the groundwork laid by people who have come before us.



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One of her current projects involves trying to replace precious-metal catalysts with earth-abundant metals. Precious and rare metals like platinum and iridium are used as catalysts in industry.

Susan and her team design catalysts based on metals like cobalt and iron, which would be less expensive and ultimately more sustainable.

Read more: [Breaking down biomass could help in converting biomass to fuels »](#)

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Susan Hanson works for C-NR's Nuclear & Radiochemistry group.

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